

AG Contract No. KR98-0915TRN
ADOT ECS File No. JPA 98-06
Project: RAM 600-1-544
TRACS No.: H4083 01D/H4083 01C
Section SR-101L Pima Freeway
Pima Road - Shea Boulevard
(Scottsdale Enhancements)

INTERGOVERNMENTAL AGREEMENT
BETWEEN
THE STATE OF ARIZONA
AND
THE CITY OF SCOTTSDALE

THIS AGREEMENT is entered into 27 July, 1998, pursuant to Arizona Revised Statutes, Sections 11-951 through 11-954, as amended, between the STATE OF ARIZONA, acting by and through its DEPARTMENT OF TRANSPORTATION (the "State") and the CITY OF SCOTTSDALE, acting by and through its MAYOR and CITY COUNCIL (the "City").

I. RECITALS

1. The State is empowered by Arizona Revised Statutes Section 28-401 to enter into this agreement and has by resolution, a copy of which is attached hereto and made a part hereof, resolved to enter into this agreement and has delegated to the undersigned the authority to execute this agreement on behalf of the State.

2. The City is empowered by Arizona Revised Statutes Section 48-572 to enter into this agreement and has by resolution, a copy of which is attached hereto and made a part hereof, resolved to enter into this agreement and has authorized the undersigned to execute this agreement on behalf of the City.

3. Incident to the construction of SR-101L (Pima Freeway) between Pima Road Traffic Interchange (TI) and Shea Boulevard TI contemplated by the State, the City has requested the State construct a number of utility, architectural and safety or aesthetic improvements within the Pima Freeway corridor from Pima Road TI to Shea Boulevard TI, on behalf of the City, hereinafter referred to as the Project. The items listed on, but not limited to, Exhibit A, attached hereto and made a part hereof, are the estimated costs of \$10,972,435.00 (\$310,492.00 for design, \$10,661,942.00 for construction and construction engineering) all at City expense. Additional related items may be added to the Project list with the mutual agreement of the City and the State.

THEREFORE, in consideration of the mutual agreements expressed herein, it is agreed as follows:

NO. 22544
Filed with the Secretary of State
Date Filed: 07/27/98
Kathy Taylor
Secretary of State
By Vickey D. Graenwoeld

II. SCOPE OF WORK

1. The State will:

- a. Upon execution of this agreement, assist the City with establishing an interest bearing account with the State Treasurer's Local Government Investment Pool with an initial deposit of \$8,661,942.00, for construction costs, (including 10% construction engineering and administration), which shall be available to the State as required to pay monthly actual contractor payments of the Project. Interest on the account, shall be to the benefit of the City.
- b. Upon execution of this agreement, invoice the City \$310,492.00 for the estimated design of the Project.
- c. Provide design plans, specifications and such other documents and services required for construction bidding and construction.
- d. Call for bids and award one or more construction contracts to construct the Project(s). Administer same and make all payments to the contractor. Be responsible for any contractor claims for extra compensation due to delays or whatever reason attributable to the State.
- e. On a monthly basis, provide the City a detailed accounting of the Project's expenditures, to be withdrawn from the State Treasurer's Local Government Investment Pool.
- f. Invoice the City for the additional \$2,000,000.00 no later than June 30, 2000.
- g. Upon completion of the Project, submit to the City a detailed accounting and an invoice or reimbursement for the balance of the actual cost of the Project.

2. The City will:

- a. Upon execution of this agreement with the Secretary of State, establish an interest bearing account with the State Treasurer's Local Government Investment Pool, with a deposit of \$8,661,942.00, for construction, (including 10% construction engineering and administration), which shall be available to the State as required to pay monthly actual contractor payments of the Project. Additionally, upon receipt of an invoice, the City shall deposit the balance of \$2,000,000.00 in said account, no later than July 31, 2000. Interest on the account, shall be to the benefit of the City.
- b. Upon execution of this agreement, and within 30 days from receipt of an invoice from the State, remit \$310,492.00 for the estimated design of the Project.
- c. Provide review comments as necessary to the design plans, specifications and such other documents. Retain the right to inspect and-approve all work related to the City's requested Project.
- d. Be responsible for the actual cost of the Project, estimated at \$10,972,435.00 (\$310,492.00 for design, \$10,661,942.00 for construction, including 10% construction engineering and administration). Additionally, be responsible for post design services.
- e. Be responsible for any contractor claims for extra compensation due to delays or whatever reason, attributable to the City. In addition, be responsible for any and all change orders attributable to the City.

f. Upon completion and acceptance of the Project by the State on behalf of the parties hereto, provide maintenance to the Project, including but not limited to maintenance and painting of elements listed in Item No. 1, maintenance of Items 2 through 5 and Items 7 and 8 as listed on Exhibit A. Provide paint and/or stain, other than the two standard state colors (chestnut and tan) for Item No. 6 in Exhibit A. Additionally, provide maintenance to aesthetic elements for Item No. 6 in Exhibit A.

III. MISCELLANEOUS PROVISIONS

1. This agreement shall remain in force and effect until completion of the Project and reimbursements; provided, however, that this agreement, may be cancelled at any time prior to the award of a Project construction contract, upon thirty (30) days written notice to the other party. Not notwithstanding the preceding sentence, the City's obligations to maintain the Project shall be perpetual as to any aesthetic enhancements to structural elements of the Pima Freeway and as respects, all other elements of the Project(s) shall endure until the element is removed or abandoned in place.
2. This agreement shall become effective upon filing with the Secretary of State.
3. This agreement may be cancelled in accordance with Arizona Revised Statutes Section 38-511.
4. The provisions of Arizona Revised Statutes Section 35-214 are applicable to this contract.
5. In the event of any controversy which may arise out of this agreement, the parties hereto agree to abide by required arbitration as is set forth for public works contracts in Arizona Revised Statutes Section 12-1518.
6. All notices or demands upon any party to this agreement shall be in writing and shall be delivered in person or sent by mail addressed as follows:

Department of Transportation
Joint Project Administration
205 South 17 Avenue, MD 616E
Phoenix, AZ 85007

City of Scottsdale
City Manager
3939 Civic Center Blvd.
Scottsdale, AZ 85251

7. Attached hereto and incorporated herein is the written determination of each party's legal counsel that the parties are authorized under the laws of this state to enter into this agreement and that the agreement is in proper form.

IN WITNESS WHEREOF, the parties have executed this agreement the day and year first
above written.

CITY OF SCOTTSDALE

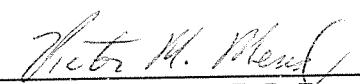
By


SAM KATHRYN CAMPANA
Mayor

STATE OF ARIZONA

Department of Transportation

By


VICTOR M. MENDEZ, P. E.
Deputy State Engineer

ATTEST

By 
SONIA ROBERTSON
City Clerk

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RESOLUTION

BE IT RESOLVED on this 13th day of January 1997, that I, the undersigned LARRY S. BONINE, as Director of the Arizona Department of Transportation, have determined that it is in the best interests of the State of Arizona that the Department of Transportation, acting by and through the Intermodal Transportation Division, to enter into an agreement with the City of Scottsdale, for the purpose of defining responsibilities for the construction of a number of utility, architectural and safety or aesthetic improvements within the Pima Freeway corridor from Pima Road TI to Shea Boulevard requested by the City.

Therefore, authorization is hereby granted to draft said agreement which, upon completion, shall be submitted to the Deputy State Engineer for approval and execution.



DAVID ALLOCCHIO, acting Manager
Engineering Technical Group

for LARRY S. BONINE, Director

RESOLUTION NO. 5103

A RESOLUTION OF THE COUNCIL OF THE CITY OF SCOTTSDALE, MARICOPA COUNTY, ARIZONA, AUTHORIZING THREE INTERGOVERNMENTAL AGREEMENTS BETWEEN THE CITY AND THE STATE OF ARIZONA, THROUGH ITS DEPARTMENT OF TRANSPORTATION, PERTAINING TO THE PIMA FREEWAY (101L).

WHEREAS, Arizona Revised Statutes Sections 11-951, et seq. provide that public agencies may enter into intergovernmental agreements for the provisions of services, or for joint cooperative action; and

WHEREAS, Article I, Section 3-1 of the charter of the City of Scottsdale authorizes the City to enter into intergovernmental agreements with various public agencies, including the State of Arizona or any department or agency thereof; and

WHEREAS, the Arizona Department of Transportation (ADOT), is designing and constructing the Pima Freeway from Shea to Pima/Princess; and

WHEREAS, the parties have negotiated certain agreements concerning City water and sewer utilities and esthetics enhancements, reimbursing ADOT for frontage road right-of-way, and concerning the acquisition of necessary right-of-way from the Bureau of Reclamation,

NOW, THEREFORE, it is resolved by the Council of the City of Scottsdale, Maricopa County, Arizona as follows:

Section 1. Sam Kathryn Campana, Mayor, is hereby authorized and directed to sign:

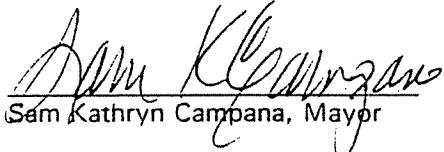
1. Intergovernmental Agreement No. 980090 (ADOT GPA 98-06) respecting utility and aesthetic enhancements,
2. Intergovernmental Agreement 980091 (ADOT JPA 97-30), reimbursing ADOT for certain frontage road right-of-way acquisition costs, and
3. Intergovernmental Agreement 980092 (ADOT JPA 98-60), concerning the acquisition of necessary right-of-way from the Bureau of Reclamation.

PASSED AND ADOPTED by the Council of the City of Scottsdale, Maricopa County, Arizona, this 6th day of July, 1998.

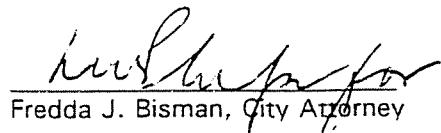
CITY OF SCOTTSDALE, an Arizona
municipal corporation

ATTEST:


Sonia Robertson, City Clerk


Sam Kathryn Campana, Mayor

APPROVED AS TO FORM:


Fredda J. Bisman, City Attorney

Date: June 18, 1998

BID VERSION
JPA 98-06

EXHIBIT A
SUMMARY
IGA ESTIMATE BACKUP

PIMA FREEWAY - PIMA ROAD TO SHEA BOULEVARD
DESCRIPTION AND COST OF PAY ITEMS FOR THE CITY OF SCOTTSDALE

ITEM	Design:	Construction:	Total:	COST	DESCRIPTION
1 ARCHITECTURAL ENHANCEMENTS	\$12,449	\$2,244,000	\$2,256,449		The aesthetic treatment of walls, piers and other features, as requested by the COS and prepared by Coe and Van Loo, Consultants for the City.
2 TOTAL WATERLINE IMPROVEMENTS	\$120,198	\$2,214,035	\$2,334,233		This item accounts for the installation of new facilities in addition to the upgrades of existing water lines.
3 TOTAL SANITARY SEWER IMPROVEMENTS	\$109,785	\$862,559	\$972,344		This item accounts for the installation of new facilities in addition to the upgrades of existing sanitary sewer lines.
4 INSTALLATION OF 30" (760 mm) FORCE MAIN	\$0	\$1,334,785	\$1,334,785		New 30" (760 mm) COS force main facility installed as part of this project.

<u>ITEM</u>	<u>Design:</u>	<u>Construction:</u>	<u>COST</u>	<u>DESCRIPTION</u>
		Total:		
5 BRIDGE CONSTRUCTION	\$13,451	\$89,601	\$103,052	Cost sharing of bridge construction is the result of the City of Scottsdale's portion of the CAP Utility Bridge.
6 RETAINING WALL	\$7,150	\$558,535	\$565,685	Footing elevations for some retaining walls had to be lowered to accommodate COS sewer upgrades, resulting in higher walls and increased wall costs.
7 COS "GAP" NOISE WALLS	\$39,380	\$2,213,998	\$2,253,378	This item accounts for noise walls (funded by COS) for areas that are not covered by ADOT's Noise Abatement Policy (prior to 7-85 date of knowledge).
8 TRAFFIC SIGNAL PREEMPTION	\$0	\$14,388	\$14,388	Pre-emption devices (Bid Item No. 7350551).
9 MAINTENANCE OF TRAFFIC	\$8,080	\$86,799	\$94,879	This item prorates the Maintenance of Traffic pay items to the City based on the City's share of costs relative to the total project.
Sub-Total:	\$310,492	\$9,618,698	\$9,929,191	
CONSTRUCTION SURVEYING AND LAYOUT	\$0	\$95,995	\$95,995	Construction Surveying and Layout is based on a prorated amount (0.998%) from Sub-Total Construction amount above.

Igabid

<u>ITEM</u>	<u>COST</u>	<u>Design:</u>	<u>Construction:</u>	<u>Total:</u>	<u>DESCRIPTION</u>
CONTRACTOR QUALITY CONTROL	\$0	\$59,924	\$59,924		Contractor Quality Control is based on a prorated amount (0.623%) from Sub-Total Construction amount above.
MOBILIZATION SHARE	\$0	\$887,325	\$887,325		Mobilization Share is based on a prorated amount (9.225%) from Sub-Total Construction amount above.
Total:	\$310,492		\$10,661,942		\$10,972,435

Item No. 1 - Architectural Enhancements:

Item No.	Description	Unit	Quantity	Unit Cost	Total
9240102	Misc. Work (Architectural Details Wall Graphics and Painting)	L. Sum	1	\$1,380,000.00	\$1,380,000.00
9240108S	Misc. Work (Architectural Details Cactus Rd. Underpass)	L. Sum	1	\$85,000.00	\$85,000.00
9240108Q	Misc. Work (Architectural Details Pedestrian/Equestrian Overpass)	L. Sum	1	\$250,000.00	\$250,000.00
9240108O	Misc. Work (Architectural Details Thunderbird Rd. Underpass)	L. Sum	1	\$100,000.00	\$100,000.00
9240108M	Misc. Work (Architectural Details Raintree Dr. Underpass)	L. Sum	1	\$65,000.00	\$65,000.00
9240108K	Misc. Work (Architectural Details FLW Blvd. Overpass)	L. Sum	1	\$40,000.00	\$40,000.00
9240108B	Misc. Work (Architectural Details Bell Rd. Overpass)	L. Sum	1	\$100,000.00	\$100,000.00
9240100	Misc. Work (Free Standing Features Along Corridor)	L. Sum	1	\$20,000.00	\$20,000.00
					\$2,040,000
	Sub-Total Construction Cost:				
	10% Construction Engineering				\$204,000
	Total Construction:				\$2,244,000
	Design Cost:				\$12,449
	Total Cost:				\$2,256,449

Item No. 2 - Waterline Improvements

Item No. 2 - Waterline Improvements

New Utility						Existing Utility					
Item No.	Item Description	Qty	Unit	Unit Price	Amount	Item No.	Item Description	Qty	Unit	Unit Price	Amount
★ New 910 mm (36") Water Main	Water					Water					
8080995 WATER MAIN (910mm)		112	M	\$945.00	\$105,840	★ New 910 mm (36") Water Main					\$0
8084036 BUTTERFLY VALVE (910mm)		1	EACH	\$10,560.00	\$10,560	★ New Flow Control Valve Station					\$0
★ New Flow Control Valve Station											\$10,560
9240109 MISCELLANEOUS WORK (FLOW CONTROL VALVE STATION)		1	L Sum		\$155,300						
★ Existing Raw Water Conversion						★ Existing Raw Water Conversion					
9240050 EXISTING 42-INCH RAW WATER TRANSMISSION MAIN FOR CONVERSION		1	L Sum		\$29,700						\$29,700
★ New 300 mm (12") Non-Potable Water Main						★ New 300 mm (12") Non-Potable Water Main					
8081013 WATER MAIN (300mm)		137	M	\$250.75	\$34,353						\$34,353
8080224 GATE VALVE (300mm)		1	EACH	\$1,608.15	\$1,608						\$1,608
Sub-Total Construction Cost (Water):						\$1,856,709					\$2,012,759
10% Construction Engineering (Water):						\$185,671					\$201,276
Total Construction (Water):						\$2,042,380					\$2,214,035
Design (Water):						\$114,583					\$120,198
Total Cost (Water):						\$2,334,233					\$2,334,233
Total Cost (Water):						\$4,491,196					

Item No. 3 - Sanitary Sewer Improvements

Item No.	Item Description	New Utility			Existing Utility			Qty	Unit	Unit Price	Amount	Delta
		Qty	Unit	Unit Price	Amount	Item No.	Item Description					
	Sanitary Sewer						Sanitary Sewer					
8090192	New 380 mm (15") Sanitary Sewer	247	M	\$36.95	\$23,947		★ New 380 mm (15") Sanitary Sewer				\$23,947	\$23,947
8090192	SEWER PIPE (380mm)	2	EACH	\$4,500.00	\$9,000		★ Existing 380 mm (15") Sanitary Sewer				\$0	\$9,000
8091113	MANHOLE, SANITARY SEWER, 1520 mm D/A.						★ Existing 380 mm (15") Sanitary Sewer Upsizing to 410 mm (16") Sanitary Sewer				\$0	
8090188	Existing 380 mm (15") Sanitary Sewer Upsizing to 410 mm (16") Sanitary Sewer	32	M	\$289.00	\$9,248	8090192	SEWER PIPE (380mm)	32	M	\$96.95	\$3,102	\$6,146
8090189	SEWER PIPE (410 mm) (DUCTILE IRON)(LINED)						★ Existing 380 mm (15") Sanitary Sewer Upsizing to 410 mm (16") Sanitary Sewer				\$0	
8090189	Existing 380 mm (15") Sanitary Sewer Upsizing to 610 mm (24") Sanitary Sewer	30	M	\$173.00	\$5,190	8090192	SEWER PIPE (380mm)	30	M	\$96.95	\$2,909	\$2,282
8090191	Existing 380 mm (15") Sanitary Sewer Upsizing to 610 mm (24") Sanitary Sewer						★ Existing 380 mm (15") Sanitary Sewer Upsizing to 610 mm (24") Sanitary Sewer				\$0	
8090191	SEWER PIPE (610mm)						★ Existing 380 mm (15") Sanitary Sewer Upsizing to 610 mm (24") Sanitary Sewer				\$0	
8091113	Existing 380 mm (15") Sanitary Sewer Upsizing to 460 mm (18") Sanitary Sewer	1490	M	\$219.50	\$327,055	8090192	SEWER PIPE (380mm)	1490	M	\$96.95	\$144,456	\$182,600
8090191	SEWER PIPE (460mm)						★ New 610 mm Residual Sanitary Sewer				\$0	
8090199	New 610 mm Residual Sanitary Sewer						★ New 610 mm Residual Sanitary Sewer				\$0	
8090199	SEWER PIPE (610mm)	189	M	\$173.00	\$32,697		Allows for construction of a 200 mm (8") sewer line that would be necessary for interception of local sanitary sewer lines on west side of freeway if the Residual Sanitary Sewer was not constructed				\$32,697	
8090190	SEWER PIPE (610mm) (DEPARTMENT FURNISHED) (INSTALLATION ONLY)	1219	M	\$148.10	\$180,534		Allows for construction of a 200 mm (8") sewer line that would be necessary for interception of local sanitary sewer lines on west side of freeway if the Residual Sanitary Sewer was not constructed				\$0	\$180,534
8091113	MANHOLE, SANITARY SEWER, 1520 mm D/A.	11	EACH	\$4,500.00	\$49,500		Allows for construction of a 200 mm (8") sewer line that would be necessary for interception of local sanitary sewer lines on west side of freeway if the Residual Sanitary Sewer was not constructed				\$0	\$49,500
8090189	SEWER PIPE (610mm)						★ New 610 mm Residual Sanitary Sewer Offset by Cost of 8" Sanitary Sewer				\$0	
8090189	New 610 mm Residual Sanitary Sewer Offset by Cost of 8" Sanitary Sewer						Allows for construction of a 200 mm (8") sewer line that would be necessary for interception of local sanitary sewer lines on west side of freeway if the Residual Sanitary Sewer was not constructed				\$0	
8090189	SEWER PIPE (610mm)	3480	M	\$173.00	\$602,040	*	SANITARY SEWER PIPE (200mm 3480 M \$95.00 \$330,600				\$271,440	

Item No. 3 - Sanitary Sewer Improvements

Item No.	Item Description	New Utility			Existing Utility			Delta			
		Qty	Unit	Unit Price	Amount	Item No.	Item Description	Qty	Unit	Unit Price	Amount
	Sanitary Sewer						Sanitary Sewer				
	★ New Sewer Diversion Structure						★ New Sewer Diversion Structure				
5054005	SEWER JUNCTION STRUCTURE	1	L. Sum	\$26,000							\$0
	Sub-Total Construction Cost (Sanitary):	\$1,265,211					Sub-Total Construction Cost (Sanitary):	\$481,066			
	10% Construction Engineering (Sanitary):	\$126,521					10% Construction Engineering (Sanitary):	\$48,107			
	Total Construction (Sanitary):	\$1,391,732					Total Construction (Sanitary):	\$529,173			
	Design (Sanitary):	\$170,960					Design (Sanitary):	\$61,175			
	Total Cost (Sanitary):	\$1,562,692					Total Cost (Sanitary):	\$590,348			

Item No. 4 - Installation of 30" (760 mm) Force Main

New Utility		Existing Utility			
Item No.	Item Description	Qty	Unit	Unit Price	Amount
Force Main sanitary Sewer					
New 760 mm Force Main Sanitary Sewer					
8090186	SEWER PIPE (760 mm) (DUCTILE IRON CONCRETE MORTAR LINED)	3691	M	\$299.00	\$1,103,609
8090187	SEWER PIPE (760 mm) (DUCTILE IRON CONCRETE MORTAR LINED) (DEPARTMENT FURNISHED) (INSTALLATION ONLY)	1219	M	\$90.10	\$105,832
Sub-Total Construction Cost (FMSS):					
Sub-Total Construction Cost (FMSS):					
10% Construction Engineering (FMSS):					
Total Construction (FMSS):					
Design (FMSS):					
Total Cost (FMSS):					
New 760 mm Force Main Sanitary Sewer					
Sub-Total Construction Cost (FMSS):					
Sub-Total Construction Cost (FMSS):					
10% Construction Engineering (FMSS):					
Total Construction (FMSS):					
Design (FMSS):					
Total Cost (FMSS):					

Item No. 5 - Bridge Construction

	Total Cost:	% Share of Cost for COS:	COS Share of Cost:	% Share of Cost for ADOT:	ADOT Share of Cost:
CAP Utility Bridge Construction Cost:	\$99,923	81.52%	\$81,455	18.48%	\$18,467
10% Construction Engineering:	\$9,992		\$8,146		\$1,847
Total Construction Cost:	\$109,915		\$89,601		\$20,314
Design Cost:	\$16,500		\$13,451		\$3,049
Total Cost:	\$126,415		\$103,052		\$23,363

Item No. 6 - Retaining Walls

Wall TB-W1

COS cost due to additional wall height and length to provide maintenance access for COS utilities.

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Rate</u>	<u>Cost</u>
<u>Total cost TB-W1:</u>				
Retaining Wall (B-18.10, Case II)	1523	m ²	\$248	\$377,704
Handrail	248	m	\$87	\$21,601
Total cost TB-W1: <u>\$399,305</u>				
<u>Cost of ADOT configured TB-W1:</u>				
Retaining Wall (B-18.10, Case II)	475	m ²	\$173	\$82,175
Handrail	148	m	\$87	\$12,891
Cost of ADOT configured TB-W1: <u>\$95,066</u>			<u>COS Cost for TB-W1(Difference): \$304,239</u>	

Wall SW-W2

COS cost due to providing access through soundwall on R/W for maintenance access to COS utilities.

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Rate</u>	<u>Cost</u>
<u>Total cost SW-W2:</u>				
Retaining Wall (Combo, Type I)	899	m ²	\$220	\$197,780
Noise Wall (Special Sound Wall)	1153	m ²	\$180	\$207,540
Total cost SW-W2: <u>\$405,320</u>				
<u>Cost of Sound Wall to close gap at R/W:</u>				
Noise Wall (Special Sound Wall)	475	m ²	\$180	\$85,500
Cost of ADOT portion SW-W2: <u>\$349,180</u>			<u>COS Cost for SW-W2 (Difference): \$56,140</u>	
(\$207,540 + \$85,500 + 0.5(\$197,780 - \$85,500))				

Wall SH-W1 (Retaining Portion Only)

COS cost due to additional retaining wall height and length to provide maintenance access for COS utilities.

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Rate</u>	<u>Cost</u>
<u>COS cost SH-W1:</u>				
Retaining Wall (Combo, Type I)	105	m ²	\$220	\$23,100
Retaining Wall (Combo, Type II)	478	m ²	\$260	\$124,280
COS cost SH-W1: <u>\$147,380</u>			<u>COS Cost for SW-W2: \$147,380</u>	

Sub-Total Construction Cost: \$507,759

10% Construction Engineering: \$50,776

Total Construction: \$558,535

Design Cost: \$7,150

Total Cost: \$565,685

Item No. 7 - Noise Walls

COS "Gap" Noise Walls Funded Entirely by the City of Scottsdale

Item No.:	Description:	Unit	Quantity	Unit Cost	Total Cost
9140133	SW-W1A	Sq. M.	1350	\$180	\$243,000
9140133	TB-W3A	Sq. M.	347	\$180	\$62,460
9140133	SW-W3A	Sq. M.	220	\$180	\$39,600
9140133	SW-W4	Sq. M.	1662	\$180	\$299,160
9140133	SW-W5	Sq. M.	3948	\$180	\$710,640
9140133	CA-W7A	Sq. M.	1058	\$180	\$190,440
9140133	SH-W2A	Sq. M.	1178	\$180	\$212,040
9140133	SH-W1 (Extension)	Sq. M.			\$255,385

Sub-Total Construction Cost: \$2,012,725

10% Construction Engineering: \$201,273

Total Construction: \$2,213,998

Design Cost: \$39,380

Total Cost: \$2,253,378

Item No. 8 - Traffic Signal Preemption:

Item No.	Description	Unit	Qty.	Unit Cost	Total
7350551	Opticom Pre-emption Unit	Each	4	\$3,270.00	\$13,080
	Sub-Total Construction Cost:				\$13,080
	10% Construction Engineering:				\$1,308
	Total Construction Cost:				\$14,388
	Design Cost:				\$0
	Total Cost:				\$14,388

Item No. 9 - Maintenance of Traffic:

Item No.	Description	Unit	Qty	Unit Cost	Total Cost	% of COS Participation	COS Cost
7010135	Barricade (Type III) ('To Remain)	Each	6	\$275.00	\$1,650.00	10%	\$165.00
7015010	Temporary Concrete Barrier (Installation and Removal)	M	9,350	\$7.27	\$67,974.50	10%	\$6,797.45
7015020	Temporary Impact Attenuators (Installation and Removal)	Each	5	\$1,520.00	\$7,600.00	10%	\$760.00
7015041	Temporary Painted Marking (Arrow, Symbol or Legend)	Each	56	\$40.45	\$2,265.20	10%	\$226.52
7015042	Temporary Painted Marking (Stripe)	M	88,000	\$0.15	\$13,200.00	10%	\$1,320.00
7015052	Obliterate Pavement Marking (Stripe)	M	12,000	\$0.71	\$8,520.00	10%	\$852.00
7015061	Temporary Pavement Markers (Raised Reflective)	Each	70	\$3.00	\$210.00	10%	\$21.00
7015090	Specialty Signs (With Type II Sheeting)	M2	245	\$66.00	\$16,170.00	10%	\$1,617.00
7016020	Temporary Concrete Barrier (In Use)	M-Day	2,844,000	\$0.11	\$312,840.00	10%	\$31,284.00
7016030	Barricade (Type II, Vert. Panel, Tubular Marker)	Each-Day	325,000	\$0.20	\$65,000.00	10%	\$6,500.00
7016031	Barricade (Type III, High Level Flag Trees)	Each-Day	37,800	\$0.30	\$11,340.00	10%	\$1,134.00
7016032	Portable Sign Stands (Rigid)	Each-Day	6,000	\$0.20	\$1,200.00	10%	\$120.00
7016033	Portable Sign Stands (Spring Type)	Each-Day	12,000	\$0.61	\$7,320.00	10%	\$732.00
7016035	Warning Lights (Type A)	Each-Day	101,000	\$0.11	\$11,110.00	10%	\$1,111.00
7016036	Warning Lights (Type B)	Each-Day	18,000	\$0.85	\$15,300.00	10%	\$1,530.00
7016037	Warning Lights (Type C)	Each-Day	325,000	\$0.26	\$84,500.00	10%	\$8,450.00
7016039	Embedded Sign Post	Each-Day	75,000	\$0.04	\$3,000.00	10%	\$300.00
7016047	Temporary Sign (Type II)(Less than 0.0 M2)	Each-Day	58,000	\$0.23	\$13,340.00	10%	\$1,334.00
7016048	Temporary Sign (Type II)(Greater than 0.9 M2)	Each-Day	18,000	\$0.33	\$5,940.00	10%	\$559.40
7016050	Truck Mounted Attenuator	Each-Day	20	\$155.00	\$3,100.00	10%	\$310.00
7016061	Flashing Arrow Panel	Each-Day	450	\$25.00	\$11,250.00	10%	\$1,125.00
7016066	Changeable Message Sign	Each-Day	1,000	\$47.50	\$47,500.00	10%	\$4,750.00
7016075	Flagging Services	Hour	3,500	\$22.50	\$78,750.00	10%	\$7,875.00
	Sub-Total Construction Cost:				\$789,079.70		\$78,907.97
	10% Construction Engineering:				\$78,907.97		\$7,890.80
	Total Construction:				\$867,987.67		\$86,798.77
	Design Cost:				\$80,800		\$8,080
	Total Cost:				\$948,788		\$94,879



STATE OF ARIZONA

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GRANT WOODS
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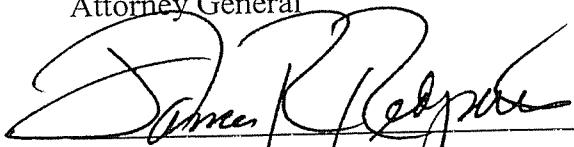
INTERGOVERNMENTAL AGREEMENT
DETERMINATION

A.G. Contract No. KR98-0915TRN, an agreement between public agencies, has been reviewed pursuant to A.R.S. § 11-952, as amended, by the undersigned Assistant Attorney General who has determined that it is in the proper form and is within the powers and authority granted to the State of Arizona.

No opinion is expressed as to the authority of the remaining parties, other than the State or its agencies, to enter into said agreement.

DATE July 21, 1998.

GRANT WOODS
Attorney General


JAMES R. REDPATH
Assistant Attorney General
Transportation Section

JRR:et/13851

Enc.

Date: June 18, 1998

Date: September 17, 2002

**EXHIBIT A
SUMMARY**
JPA 98-06 ESTIMATE BACKUP
**PIMA FREEWAY - PIMA ROAD TO SHEA BOULEVARD
DESCRIPTION AND COST OF PAY ITEMS FOR THE CITY OF SCOTTSDALE**

ITEM	COST			FINAL "AS-BUILT" COST			
	Design:	Construction:	Total:	Design/ Construction:	Total:	Change:	
1 ARCHITECTURAL ENHANCEMENTS	\$12,449	\$2,244,000	\$2,256,449	\$12,449	\$2,289,851	\$2,302,300	
2 TOTAL WATERLINE IMPROVEMENTS	\$120,198	\$2,214,035	\$2,334,233	This item accounts for the installation of new facilities in addition to the upgrades of existing water lines.	\$120,198	\$2,212,931	\$2,333,129
3 TOTAL SANITARY SEWER IMPROVEMENTS	\$109,785	\$862,559	\$972,344	This item accounts for the installation of new facilities in addition to the upgrades of existing sanitary sewer lines.	\$109,785	\$905,091	\$1,015,876
4 INSTALLATION OF 30° (760 mm) FORCE MAIN	\$0	\$1,334,785	\$1,334,785	New 30° (760 mm) COS force main facility installed as part of this project.	\$0	\$1,334,785	\$0
5 BRIDGE CONSTRUCTION	\$13,451	\$89,601	\$103,052	Cost sharing of bridge construction is the result of the City of Scottsdale's portion of the CAP Utility Bridge.	\$13,451	\$89,601	\$103,052
6 RETAINING WALL	\$7,150	\$558,535	\$565,685	Footing elevations for some retaining walls had to be lowered to accommodate COS sewer upgrades, resulting in higher walls and increased wall costs.	\$7,150	\$573,903	\$581,053
7 COS "GAP" NOISE WALLS	\$39,380	\$2,213,998	\$2,253,378	This item accounts for noise walls (funded by COS) for areas that are not covered by ADOT's Noise Abatement Policy (prior to 7-95 data of knowledge).	\$39,380	\$2,170,189	\$2,203,569
8 TRAFFIC SIGNAL PREEMPTION	\$0	\$14,388	\$14,388	Pre-emption devices (Bld Item No. 7350551).	\$0	\$14,388	\$14,388
9 MAINTENANCE OF TRAFFIC	\$8,080	\$86,799	\$94,879	This item prorates the Maintenance of Traffic pay items to the City based on the City's share of costs relative to the total project.	\$8,080	\$158,913	\$166,993
CONSTRUCTION SURVEYING AND LAYOUT	\$0	\$95,995	\$95,995	Construction Surveying and Layout is based on a prorated amount (0.98%) from Sub-Total Construction amount above.	\$310,492	\$9,750,653	\$10,061,145
Sub-Total:	\$310,492	\$9,618,688	\$9,929,191		\$0	\$83,463	\$83,463
					\$310,492	\$9,750,653	\$131,954
					\$0	\$83,463	-\$12,532

ITEM	<u>COST</u>			Post Design/ Construction:	Final "As-Built" Cost	September 17, 2002 JPA 98-06			
	Design:	Construction:	Total:						
CONTRACTOR QUALITY CONTROL	\$0	\$59,924	\$59,924	Contractor Quality Control is based on a prorated amount (0.625%) from Sub-Total Construction amount above.	\$0	\$52,222	\$52,222	-\$7,702	
MOBILIZATION SHARE	\$0	\$887,325	\$887,325	Mobilization Share is based on a prorated amount (9.225%) from Sub-Total Construction amount above.	\$0	\$708,470	\$708,470	-\$178,855	
AS-BUILDING COSTS	\$0	\$0	\$0	As-building costs assessed at 15% of total as-building effort	\$6,820	\$0	\$6,820	\$6,820	
FINALIZING IGA	\$0	\$0	\$0	Costs to close-out and finalize JPA 98-06	\$16,346	\$0	\$16,346	\$16,346	
SHOP DRAWING REVIEW	\$0	\$0	\$0	Cost to review shop drawing submittals relating to City of Scottsdale facilities	\$15,656	\$0	\$15,656	\$15,656	
ADDITIONAL WORK REQUESTED BY CITY OF SCOTTSDALE DURING CONSTRUCTION:									
ACCESS TO FRONTRAGE ROADS				Construction of Hartford Drive to access SB Frontrage Rd.; Enhancements to WestWorld Entrance	\$12,583	\$44,793	\$57,376	\$57,376	61
RAINTREE DR. ENHANCEMENTS				Improvements made to Raintree Drive west of SB Frontrage Rd. in vicinity of 87th Street (designed by URS Greiner)	\$0	\$46,381	\$46,381	\$46,381	76
CUL DE SAC ENHANCEMENTS				Grading and Paving of Sutton Drive cul-de-sac	\$1,581	\$17,390	\$18,971	\$18,971	92
FMS				Provision of FMS Conduits at Cactus Rd., FLW Blvd. and Bell Rd.	\$0	\$43,578	\$43,578	\$43,578	34
FLW TRAFFIC SIGNAL PUNCH LIST COMPLETION				Credit due to COS for the completion of punch list items on traffic signal at Frank Lloyd Wright Blvd.	\$0	-\$1,297	-\$1,297	-\$1,297	
Total:	\$310,492	\$10,661,942	\$10,972,435		\$563,479	\$10,745,652	\$11,109,131	\$136,696	563,479

Item No. 1 - Architectural Enhancements:

September 17, 2002
JPA 98-06

Item No.	Description	Unit	Quantity	Unit Cost	Total	Final "As-Built" Quantity	Final "As-Built" COS Cost	Change Order Nos.
9206999	Misc. (COS Master Molds for Walls)	L. Sun	1	\$0.00	\$0.00	\$140,000	\$140,000	1
9240102	Misc. Work (Architectural Details Wall Graphics and Painting)	L. Sun	1	\$1,380,000.00	\$1,380,000.00	\$0	\$0	13
9240108S	Misc. Work (Architectural Details Cactus Rd. Underpass)	L. Sun	1	\$85,000.00	\$85,000.00	\$85,000	\$85,000	
9240108Q	Misc. Work (Architectural Details Pedestrian/Equestrian Overpass)	L. Sun	1	\$250,000.00	\$250,000.00	\$250,000	\$250,000	
9240108O	Misc. Work (Architectural Details Thunderbird Rd. Underpass)	L. Sun	1	\$100,000.00	\$100,000.00	\$120,407	\$120,407	57
9240108M	Misc. Work (Architectural Details Raintree Dr. Underpass)	L. Sun	1	\$65,000.00	\$65,000.00	\$65,000	\$65,000	
9240108K	Misc. Work (Architectural Details Fl/W Blvd. Overpass)	L. Sun	1	\$40,000.00	\$40,000.00	\$28,645	\$28,645	43
9240108B	Misc. Work (Architectural Details Bell Rd. Overpass)	L. Sun	1	\$100,000.00	\$100,000.00	\$120,407	\$120,407	57
9240100	Misc. Work (Free Standing Features Along Corridor)	L. Sun	1	\$20,000.00	\$20,000.00	\$0	\$0	13
9240103	Misc. Work (Value Engineering)	L. Sun	1	\$0.00	\$0.00	\$107,777	\$107,777	13
9240104	Misc. Work (Architectural Details Wall Graphics and Painting)	L. Sun	1	\$0.00	\$0.00	\$1,164,447	\$1,164,447	13
Sub-Total Construction Cost:				\$2,040,000	\$1,941,683	\$2,081,683		
10% Construction Engineering				\$204,000		\$208,168		
Total Construction:				\$2,244,000		\$2,289,851		
Design Cost:				\$12,449		\$12,449		
Total Cost:				\$2,256,449		\$2,302,300		

Item No. 2 Summary - Waterline Improvements

Description	Bid Tab				05/16/2002 Recap								IGA							
	Quantity	Units	Unit Cost	Cost	Quantity	Units	Unit Cost	Cost	Quantity	Units	Unit Cost	Cost	Total	Agreement Cost	As Built Cost	Billed	Section 18 Adjustment			
Bid Item No. 8080991 Total 410 mm Water Line	699.000	M	\$186.25	\$ 130,189	348.000	M	\$186.25	\$ 64,815	350.295	M	\$186.25	\$ 65,242	\$ 23,293	\$ 23,293	\$ 65,242	\$ 41,949				
Bid Item No. 8080232 Total 410 mm Gate Valve	2.000	EACH	\$3,792.50	\$ 7,586	2.000	EACH	\$3,792.50	\$ 7,586	0.000	EACH	\$3,792.50	\$ 7,586	\$ 2,628	\$ 2,628	\$ -	\$ (2,628)				
Total 410 mm Gate Valve																				
Total 1070 mm Water Line	4,054.000	M	\$674.00	\$ 2,732,396	2,528.000	M	\$674.00	\$ 1,703,872	1,525.990	M	\$674.00	\$ 1,029,517	4,053,990	M	\$674.00	\$ 2,732,399	\$ 1,356,897	\$ 1,356,897	\$ 1,028,517	\$ (328,380)
Bid Item 8081003 Total 1070 mm Water Line	159.000	M	\$297.25	\$ 47,263	0.000	M	\$297.25	\$ 47,263	159.000	M	\$297.25	\$ 47,263	159.000	M	\$297.25	\$ 47,263	\$ 47,263	\$ -	\$ -	
Total 760 mm Water Line	759.000	M	\$609.75	\$ 462,800	701.313	M	\$609.75	\$ 427,626	58.034	M	\$609.75	\$ 35,386	759.347	M	\$609.75	\$ 483,012	\$ 196,180	\$ 196,180	\$ 35,386	\$ (160,794)
Bid Item 8080264 Total 760 mm BF Valve	5.000	EACH	\$14,650.00	\$ 73,250	5.000	EACH	\$14,650.00	\$ 73,250	0.000	EACH	\$14,650.00	\$ 73,250	8,043	\$ 8,043	\$ -	\$ -	\$ (8,043)	\$ -	\$ -	
Total 760 mm BF Valve																				
Bid Item 8080430 Total Concrete Encasement	1.000	EACH	\$8,910.00	\$ 8,910	1.000	EACH	\$8,910.00	\$ 8,910	0.000	EACH	\$8,910.00	\$ 8,910	(914)	\$ (914)	\$ -	\$ -	\$ 914	\$ -	\$ -	
Total Concrete Encasement																				
Bid Item 8081010 Total Steel Casing	874.000	M	\$157.00	\$ 137,218	883.878	M	\$157.00	\$ 138,769	0.000	M	\$157.00	\$ 138,769	883.878	M	\$157.00	\$ 138,769	\$ -	\$ -	\$ -	\$ -
Total Steel Casing																				
Total 610 mm Water Line	251.000	M	\$488.00	\$ 122,488	214.000	M	\$488.00	\$ 104,432	37.000	M	\$488.00	\$ 18,056	251.000	M	\$488.00	\$ 122,488	\$ 39,008	\$ 39,008	\$ 18,056	\$ (20,952)
Bid Item 8080955 Total 910 mm Water Line	376.000	M	\$945.00	\$ 355,320	288.000	M	\$845.00	\$ 224,910	138.000	M	\$945.00	\$ 130,410	376.000	M	\$945.00	\$ 355,320	\$ 105,840	\$ 105,840	\$ 130,410	\$ 24,570
Total 910 mm Water Line																				
Bid Item 9240036 Total Valve Station	2.000	EACH	\$10,560.00	\$ 21,120	2.000	EACH	\$10,560.00	\$ 21,120	0.000	EACH	\$10,560.00	\$ 21,120	2.000	EACH	\$10,560.00	\$ 21,120	\$ 10,560	\$ 10,560	\$ -	\$ (10,560)
Total Valve Station																				
Total Raw Water Conversion	1.000	L.Sum	\$29,700.00	\$ 29,700	0.000	L.Sum	\$29,700.00	\$ 29,700	1.000	L.Sum	\$29,700.00	\$ 29,700	1.000	L.Sum	\$29,700.00	\$ 29,700	\$ 29,700	\$ 29,700	\$ -	\$ -
Bid Item 8081013 Total 300 mm Water Line	914.000	M	\$250.75	\$ 229,186	767.699	M	\$250.75	\$ 192,501	141,710	M	\$250.75	\$ 35,534	909,409	M	\$250.75	\$ 228,034	\$ 34,353	\$ 33,350	\$ 35,534	\$ 2,184
Total 300 mm Gate Valve	11.000	EACH	\$1,608.15	\$ 17,690	11.000	EACH	\$1,608.15	\$ 17,690	0.000	EACH	\$1,608.15	\$ 17,690	11.000	EACH	\$1,608.15	\$ 17,690	\$ 1,608	\$ 1,608	\$ -	\$ (1,608)
Sub-Total Construction Cost																				
10% Construction Engineering																				
Total Construction																				

Item No. 3 Summary - Sanitary Sewer Improvements

Bid Tab				05/16/2002 Recap												IGA				
Description	Quantity	Units	Unit Cost	Section 1			Section 18 (IGA)			Total			Agreement Cost	As Built Cost	Billed	Section 18 Adjustment				
				Quantity	Units	Unit Cost	Cost	Quantity	Units	Unit Cost	Cost	Quantity	Units	Unit Cost	Cost					
Bld Item No. 80901182 Total 380 mm SS	270.000	M	\$ 96.95	\$ 26,177	-250.480	M	\$ 96.95	\$ (24,284)	272.555	M	\$ 96.95	\$ 26,424	22.075	M	\$ 96.95	\$ 2,140	\$ 23,947	\$ -	\$ 26,424	\$ 26,424
Bld Item No. 80911113 Total 1520 mm SS MH	93.000	EACH	\$ 4,500.00	\$ 418,500	75.000	EACH	\$ 4,500.00	\$ 337,500	2.000	EACH	\$ 4,500.00	\$ 9,000	77.000	EACH	\$ 4,500.00	\$ 346,500	\$ 58,500	\$ 63,000	\$ 9,000	\$ (54,000)
Bld Item No. 80901186 Total 410 mm SS	32.000	M	\$ 289.00	\$ 9,248	20.000	M	\$ 289.00	\$ 5,780	12.000	M	\$ 289.00	\$ 3,468	32.000	M	\$ 289.00	\$ 9,248	\$ 6,146	\$ 6,146	\$ 3,468	\$ (2,678)
Bld Item No. 80901189 Total 610 mm SS	6,871.000	M	\$ 173.00	\$ 1,188,683	4,516,580	M	\$ 173.00	\$ 781,368	2514.107	M	\$ 173.00	\$ 434,941	7,000.687	M	\$ 173.00	\$ 1,216,609	\$ 306,419	\$ 304,859	\$ 434,941	\$ 130,082
Bld Item No. 80901190 Total 610 mm SS	1,219.000	M	\$ 148.10	\$ 180,534	0.000	M	\$ 148.10	\$ 0.00	1,219.000	M	\$ 148.10	\$ 180,534	1,219.000	M	\$ 148.10	\$ 180,534	\$ 180,534	\$ 180,534	\$ 180,534	\$ -
Bld Item No. 80901191 Total 460 mm SS	1,665.000	M	\$ 219.50	\$ 363,273	1,414,016	M	\$ 219.50	\$ 310,377	347,482	M	\$ 219.50	\$ 386,649	1,761.498	M	\$ 219.50	\$ 386,649	\$ 182,600	\$ 243,182	\$ 76,272	\$ (166,909)
Bld Item No. 5054005 Total SS Div. Struc.	1.000	EACH	\$ 26,000.00	\$ 26,000	0.000	EACH	\$ 26,000.00	\$ 26,000	1.000	EACH	\$ 26,000.00	\$ 26,000	\$ 26,000	EACH	\$ 26,000.00	\$ 26,000	\$ 26,000	\$ 26,000	\$ 26,000	\$ -
Sub-Total Construction Cost				\$ 2,212,414	\$ 1,410,741		\$ 756,639			\$ 2,167,380	\$ 784,144	\$ 823,720	\$ 756,639		\$ (67,081)					
10% Construction Engineering				\$ 221,241	\$ 141,074		\$ 75,664			\$ 216,738	\$ 78,414	\$ 82,372	\$ 75,664		\$ (6,708)					
Total Construction							\$ 832,303			\$ 2,384,118	\$ 862,550	\$ 906,091	\$ 832,303		\$ (73,789)					

Item No. 4 Detail Summary - Installation of 30" (760 mm) Force Main

Bid Tab		05/16/2002 Recap										IGA					
Description		Quantity	Units	Unit Cost	Quantity	Units	Unit Cost	Quantity	Units	Unit Cost	Quantity	Units	Unit Cost	Agreement Cost	As Built Cost	Section 18 Billed	Section 18 Adjustment
Bld Item No. 8090106	Total 760 mm Force Main	3,691.000	M	\$ 299.00	\$ 1,103,609	0.000	M	\$ 299.00	\$ 0.00	3,691.000	M	\$ 299.00	\$ 1,103,609	\$ 1,103,609	\$ 1,103,609	\$ 1,103,609	\$ -
Bld Item No. 8090187	Total 760 mm Force Main	1219.000	M	\$ 90.10	\$ 109,832	0.000	M	\$ 90.10	\$ 0.00	1219.020	M	\$ 90.10	\$ 109,834	\$ 1,213,441	\$ 1,213,441	\$ 1,213,443	\$ 2
Sub-Total Construction Cost														\$ 1,213,443	\$ 1,213,441	\$ 1,213,443	\$ 2
10% Construction Engineering														\$ 121,344	\$ 121,344	\$ 121,344	\$ 0
Total Construction														\$ 1,334,787	\$ 1,334,785	\$ 1,334,785	\$ 2

Item No. 5 - Bridge Construction

JPA 98-06; September 17, 2002

Total Estimated Cost:	% Share of Cost for COS:	COS Share of Cost:	% Share of Cost for ADOT:	ADOT Share of Cost:	Final "As-Built" COS Cost
CAP Utility Bridge Construction Cost:	\$99,923	81.52%	\$81,455	18.48%	\$18,467
10% Construction Engineering:	\$9,992		\$8,146		\$1,847
Total Construction Cost:	\$109,915		\$89,601		\$20,314
Design Cost:	\$16,500		\$13,451		\$3,049
Total Cost:	\$126,415		\$103,052		\$23,363

Item No. 6 - Retaining Walls

JPA 98-06; September 17, 2002

Item No.:	Wall	Description:	Unit	Quantity	Unit Cost	ADOT Quantity	COS Utility Quantity	ADOT Cost	COS Cost	Final "As-Built" Quantity	Final "As-Built" COS Cost	Change Order Nos.
9140153	TB-W1	Retaining Wall (B-18,10, Case II)	Sq. M.	1,523	\$248	475	1,048	\$134,900	\$242,894.00	1,639	\$295,020.00	
9140153	SW-W2	Noise Wall (Special Sound Wall)	Sq. M.	475.2	\$180	475	555,536	\$56,122	\$56,122.00	426	\$93,720.00	82
9140156	SW-W2	Retaining Wall (Combo, Type I)	Sq. M.	899	\$220	0	268	\$23,007.60	\$0.00	82		
9140156	SH-W1	Retaining Wall (Combo, Type I)	Sq. M.	220	\$260	104.58	478.08	\$0	\$124,300.80	478	\$124,280.00	
9140157	SH-W1	Retaining Wall (Combo, Type II)	M.	248	\$87	148	100	\$12,891	\$8,710.00	100	\$8,710.00	
6110201	TB-W1	Metal Handrail	M.									
Sub-Total Construction Cost:												
							\$289,449	\$454,944				
10% Construction Engineering:												
							\$28,944.88	\$45,494.44				
Total Construction:												
							\$318,394	\$500,439				
Design Cost:												
							\$7,150					
Total Cost:												
							\$318,394	\$507,589				
									\$581,053			

Item No. 7 - Noise Walls

JPA 98-06; September 17, 2002

COS "Gap" Noise Walls
Funded Entirely by the City of Scottsdale

Item No.:	Description:	Unit	Quantity	Unit Cost	Total Cost	Final "As-Built" Quantity	Final "As-Built" COS Cost	Change Order Nos.
6102999	Misc (Paint Sound Wall)	M2	1402	\$3.12	\$4,374.24	1402.000	\$4,374.24	67
9140133	Balance	Sq. M.	0	\$180		469.918	\$84,585.24	82
9140133	SW-W1A	Sq. M.	1350	\$180	\$243,000	1383.480	\$249,026.40	
9140133	TB-W3A	Sq. M.	347	\$180	\$62,460	360.080	\$64,814.40	
9140133	SW-W2	Sq. M.	0	\$180	\$0	475.000	\$85,500.00	
9140133	SW-W3A	Sq. M.	220	\$180	\$39,600	220.000	\$39,600.00	
9140133	SW-W4	Sq. M.	1662	\$180	\$299,160	1661.790	\$299,162.20	
9140133	SW-W5	Sq. M.	3948	\$180	\$710,640	3945.635	\$710,214.30	
9140133	CA-W7A	Sq. M.	1058	\$180	\$190,440	1051.644	\$189,295.92	
9140133	SH-W2A	Sq. M.	1178	\$180	\$212,040	1178.700	\$212,166.00	
9140133	SH-W1 (Extension)	Sq. M.	180	\$180	\$325,385	190.000	\$34,200.00	
Sub-Total Construction Cost:						1,972,899		
10% Construction Engineering:						197,290		
Total Construction:						2,170,189		
Design Cost:						39,380		
Total Cost:						\$2,209,569		

Item No. 8 - Traffic Signal Preemption:

JPA 98-06; September 17, 2002

Item No.	Description	Unit	Qty.	Unit Cost	Total	Final "As-Built" Quantity	Final "As-Built" COS-Cost
7350551	Opticom Pre-emption Unit	Each	4	\$3,270.00	\$13,080	4	\$13,080
	Sub-Total Construction Cost:				\$13,080		\$13,080
	10% Construction Engineering:				\$1,308		\$1,308
	Total Construction Cost:				\$14,388		\$14,388
	Design Cost:				\$0		\$0
	Total Cost:				\$14,388		

Item No. 9 - Maintenance of Traffic:

JPA 98-06; September 17, 2002

Item No.	Description	Unit	Qty	Unit Cost	Total Cost	% of COS		Final "As-Built" COS Quantity	Final "As-Built" COS Cost
						Participation	COS Cost		
7010135	Barricade (Type III) (To Remain)	Each	6	\$275.00	\$1,650.00	10%	\$165.00	1,991.24	\$14,476.31
7015010	Temporary Concrete Barrier (Installation and Removal)	M	9,350	\$7.27	\$67,974.50	10%	\$6,797.45	1.00	\$275.00
7015020	Temporary Impact Attenuators (Installation and Removal)	Each	5	\$1,520.00	\$7,600.00	10%	\$760.00	1.00	\$1,520.00
7015041	Temporary Painted Marking (Arrow, Symbol or Legend)	Each	56	\$40.45	\$2,265.20	10%	\$226.52	11.00	\$444.95
7015042	Obliterary Pavement Marking (Stripe)	M	88,000	\$0.15	\$13,200.00	10%	\$1,320.00	8,844.54	\$1,326.68
7015052	Temporary Pavement Markers (Raised Reflective)	M	12,000	\$0.71	\$8,420.00	10%	\$832.00	\$951.66	\$951.66
7015061	Specialty Signs (With Type II Sheeting)	Each	70	\$3.00	\$210.00	10%	\$21.00	162.00	\$486.00
7015090	Temporary Concrete Barrier (In Use)	M2	245	\$66.00	\$16,170.00	10%	\$1,617.00	16.27	\$1,073.82
7016020	Temporary Impact Attenuators (Installation and Removal)	M-Day	2,844,000	\$0.11	\$312,840.00	10%	\$31,284.00	452,127.43	\$49,734.02
7016021	Barricade (Type II Vert. Panel Tubular Marker)	Each-Day	125	\$12.25	\$1,531.25	10%	\$153.13	124.40	\$1,523.90
7016030	Barricade (Type III, High Level Flag Trees)	Each-Day	325,000	\$0.20	\$65,000.00	10%	\$6,500.00	54,295.70	\$10,859.14
7016031	Barricade (Type III, High Level Flag Trees)	Each-Day	37,800	\$0.30	\$11,340.00	10%	\$1,134.00	6,418.80	\$1,925.64
7016032	Portable Sign Stands (Rigid)	Each-Day	6,000	\$0.20	\$1,200.00	10%	\$120.00	9,776.60	\$9,555.32
7016033	Portable Sign Stands (Spring Type)	Each-Day	12,000	\$0.61	\$7,320.00	10%	\$732.00	7,979.70	\$4,867.62
7016035	Warning Lights (Type A)	Each-Day	101,000	\$0.11	\$11,110.00	10%	\$1,111.00	39,289.10	\$319.60
7016036	Warning Lights (Type B)	Each-Day	18,000	\$0.85	\$15,300.00	10%	\$1,530.00	347.60	\$295.46
7016037	Warning Lights (Type C)	Each-Day	325,000	\$0.26	\$84,500.00	10%	\$8,450.00	48,907.90	\$12,716.05
7016039	Embedded Sign Post	Each-Day	75,000	\$0.04	\$3,000.00	10%	\$300.00	9,281.01	\$371.24
7016047	Temporary Sign (Type II)(Less than 0.0 M2)	Each-Day	58,000	\$0.23	\$13,340.00	10%	\$1,334.00	17,984.20	\$4,136.37
7016048	Temporary Sign (Type II)(Greater than 0.9 M2)	Each-Day	18,000	\$0.33	\$5,940.00	10%	\$594.00	6,724.22	\$2,278.99
7016050	Truck Mounted Attenuator	Each-Day	20	\$155.00	\$3,100.00	10%	\$310.00	2.10	\$325.50
7016061	Flashing Arrow Panel	Each-Day	450	\$25.00	\$11,250.00	10%	\$1,125.00	349.40	\$38,735.00
7016066	Changeable Message Sign	Each-Day	1,000	\$47.50	\$47,500.00	10%	\$4,750.00	292.60	\$13,898.50
7016075	Flagging Services	Hour	3,500	\$22.50	\$78,750.00	10%	\$7,875.00	268.00	\$6,030.00
Sub-Total Construction Cost:					\$789,079.70		\$78,907.97		\$144,466.78
10% Construction Engineering:					\$78,907.97		\$7,890.80		\$14,446.68
Total Construction:					\$867,987.67		\$86,798.77		\$158,913.45
Design Cost:					\$80,800		\$8,080		\$8,080
Total Cost:					\$948,788		\$94,879		\$166,993

Additional Work Requested by COS During Construction of Project

JPA 98-06; September 17, 2002

Construction of Hartford Drive and WestWorld Entrance - COS request made in letter of 6-30-99

Item No.	Description	Unit	Quantity	Unit Cost	Total	Final "As-Built" Quantity	Final "As-Built" COS Cost
2010999	Miscellaneous (WestWorld and Hartford Driveways)	L\$UM	1	\$40,721.10	\$40,721.10	1	\$40,721.10
	Sub-Total Construction Cost:				\$0		\$40,721
	10% Construction Engineering				\$0		\$4,072
	Total Construction:				\$0		\$44,793
	Design Cost:				\$12,583		\$12,583
	Total Cost:				\$57,376		

Raintree Dr./87th St. Work (Designed by URS Greiner) - COS request made in letter of 10-18-99
Change Order No. 76

Item No.	Description	Unit	Quantity	Unit Cost.	Total	Final "As-Built" Quantity	Final "As-Built" COS Cost
2020050	Removal of Structure (CB Pipe Collar)	L.. Sum	1	\$1,000.00	\$1,000.00	1	\$1,000.00
3030022	Aggregate Base, Class 2	M3	116.03	\$22.00	\$2,552.66	116.03	\$2,552.66
4010010	Portland Cement Concrete Pavement (250 MM)	M2	143.31	\$23.50	\$3,367.79	143.31	\$3,367.79
4060004	Asphaltic Concrete (12 MM Mix)	MTON	68.14	\$20.20	\$1,376.43	68.14	\$1,376.43
4060006	Asphaltic Concrete (19 MM Mix)	MTON	34.07	\$18.95	\$645.63	34.07	\$645.63
5011012	Pipe, Reinforced Concrete, Class II, 460 MM	M	-18	\$171.75	(\$3,091.50)	-18	(\$3,091.50)
5011014	Pipe, Reinforced Concrete, Class IV, 460 MM	M	49	\$171.75	\$8,415.75	49	\$8,415.75
5030001	Concrete Catch Basin (C-15.10) Single, H=2.5 M or less	Each	-2	\$1,600.00	(\$3,200.00)	-2	(\$3,200.00)
5030002	Concrete Catch Basin (C-15.10) Single, H= Over 2.5 M	Each	-1	\$2,400.00	(\$2,400.00)	-1	(\$2,400.00)
5030066	Concrete Catch Basin (C-15.20) (H less than 2.5 M)	Each	5	\$2,500.00	\$12,500.00	5	\$12,500.00
5050201	Reset Frame and Cover for Manhole	Each	2	\$330.00	\$660.00	2	\$660.00

Raintree Dr./87th St. Work (Designed by URS Greiner) - COS request made in letter of 10-18-99
 Change Order No. 76

JPA 98-06; September 17, 2002

Item No.	Description	Unit	Quantity	Unit Cost	Total	Final "As-Built" Quantity	Final "As-Built" Cost
5055999	Misc. (Steel Plate for Manhole)	Each	1	\$699.09	\$699.09	1	\$699.09
6070041	Sign Post (P-1) (Perforated) (Single)	M	33.1	\$26.50	\$877.15	33.1	\$877.15
6070046	Foundation for Sign Post (P-1) Perforated	Each	9	\$91.00	\$819.00	9	\$819.00
6080003	Regulatory, Warning, or Marker Sign Panel W/Typ III/V Sheet	M2	6.1	\$125.00	\$762.50	6.1	\$762.50
7050023	Pavement Marking, Preformed, Type I, Single Arrow	Each	5	\$100.00	\$500.00	5	\$500.00
7050024	Pavement Marking, Preformed, Type I, Double Arrow	Each	1	\$190.00	\$190.00	1	\$190.00
7050026	Pavement Marking, Preformed, Type I, Legend (Only)	Each	1	\$100.00	\$100.00	1	\$100.00
7050028	Pavement Marking, Preformed, Type I, Symbol	Each	-2	\$50.00	(\$100.00)	-2	(\$100.00)
7060015	Pavement Marker, Raised, Type D	Each	19	\$3.00	\$57.00	19	\$57.00
7060018	Pavement Marker, Raised, Type G	Each	7	\$3.00	\$21.00	7	\$21.00
7080031	Paint Bull Nose	Each	5	\$40.00	\$200.00	5	\$200.00
7320050	Electrical Conduit (50 MM) (PVC)	M	51	\$10.75	\$548.25	51	\$548.25
7320420	Electrical Conduit (75 MM) (PVC)	M	263	\$12.50	\$3,287.50	263	\$3,287.50
7330330	Pull Box (No. 7)	Each	8	\$255.00	\$2,040.00	8	\$2,040.00
8080646	Remove Traffic Signals	L.. Sum	1	\$5,420.00	\$5,420.00	1	\$5,420.00
9080001	Reset Frame and Cover for Valve Box	Each	-1	\$220.00	(\$220.00)	-1	(\$220.00)
9080086	Concrete Curb (C-05.10) (Type A)	M	1.4	\$24.25	\$33.95	1.4	\$33.95
9080201	Concrete Curb and Gutter (Type D)	M	16.4	\$21.00	\$344.40	16.4	\$344.40
9170005	Concrete Sidewalk (C-05.20)	M2	-17	\$15.20	(\$288.40)	-17	(\$288.40)
9210011	Embankment Spillway (C-4.10)	M	1	\$1,320.00	\$1,320.00	1	\$1,320.00
9220002	Median Paving	M2	-16.2	\$31.00	(\$502.20)	-16.2	(\$502.20)
	Construction Surveying and Layout	L.. Sum	1	\$4,198.18	\$4,198.18	1	\$4,198.18
	Sub-Total Construction Cost:			\$42,164			\$42,164
	10% Construction Engineering			\$4,216			\$4,216
	Total Construction:			\$46,381			\$46,381
	Design Cost (URS Greiner):			\$0			\$0
	Total Cost:			\$46,381			\$46,381

JPA 98-06; September 17, 2002

Additional Cul-de-Sac Work (Sutton Drive) COS Request made in letter of 12-14-99

Item No.	Description	Unit	Quantity	Unit Cost	Total	Final "As-Built" Quantity	Final "As-Built" COS Cost
2041999	Misc. (Grade and Pave Sutton Cul de Sac)	L. Sum	1	\$15,808.64	\$15,808.64	1	\$15,808.64
	Sub-Total Construction Cost:			\$15,809		\$0	\$15,809
	10% Construction Engineering			\$1,581			\$1,581
	Total Construction:			\$17,390			\$17,390
	Design Cost:			\$1,581			\$1,581
	Total Cost:			\$18,971			\$18,971

Provide FMS at Cactus Rd, FLW Blvd. and Bell Rd.
Change Order No. 34

Item No.	Description	Unit	Quantity	Unit Cost	Total	Final "As-Built" Quantity	Final "As-Built" COS Cost
7320200	Electrical Conduit (75 MM) (Concrete Encased)	M	1,238	32.00	39,616.00	1,238	\$39,616.00
	Sub-Total Construction Cost:			\$39,616			\$39,616
	10% Construction Engineering			\$3,962			\$3,962
	Total Construction:			\$43,578			\$43,578
	Design Cost:			\$0			\$0
	Total Cost:			\$43,578			\$43,578

JPA 98-06; September 17, 2002

Traffic Signal Punch List Completion at Frank Lloyd Wright T.I.
Credit due to COS for Completion of Punch List Items

Item No.	Description	Unit	Quantity	Unit Cost	Total	Final "As-Built" Quantity	Final "As-Built" COS Cost
XXXXXX	Completion of Remaining Punch List Items at FLW Blvd. T.I.	L. Sum	0	0.00	0.00	1	(\$1,297.00)
	Sub-Total Construction Cost:				\$0		(\$1,297)
	10% Construction Engineering				\$0		\$0
	Total Construction:				\$0		(\$1,297)
	Design Cost:				\$0		\$0
	Total Cost:				\$0		(\$1,297)